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# GACO WESTERN

## Product Data Sheet:

A-31

April 2007

Supersedes 02/07



### GACOFLEX A-31 QUICK SET WATER-BORNE ELASTOMERIC COATING

**DESCRIPTION:** GacoFlex A-31 quick set series acrylic water-borne, single component elastomeric coatings are characterized by excellent hardness, strength, water resistance and weatherability.

GacoFlex A-31 meets ASTM D-6083-05 and California Energy Commission Title 24 requirements for liquid-applied roof coatings.

For application over spray polyurethane foam and acrylic coatings, this product complies with all of the requirements of the Florida Building Code (HVHZ) Testing Application Standard TAS 110-2000, Section 7: Coatings complying with ASTM D 6083-05, *Standard Specification for Liquid Applied Acrylic Coating Used in Roofing*, Section 1523.6.2.1.1 for spray applied polyurethane foam coating and 1523.6.3 for liquid applied roofing membrane systems including the requirements of Federal Specification TT-C-555B, Section 3.3.3: Resistance to Wind-Driven Rain.

**USAGE:** Intended for the following applications:

A protective coating system for exterior polyurethane foam insulation, concrete, and plywood roofs or metal roofs with positive drainage, where inclement weather is imminent.

A protective and decorative coating system for exterior or interior walls and fascias.

**LIMITATIONS:** Do not apply on surfaces subject to prolonged water soak. Use GacoFlex A-38 Series when a water-reducible floor coating is desired.

**COLOR:** A-3100 White Top Coat, A-3125 Gray Base Coat.

#### APPLIED PRODUCT DATA

**WEATHERABILITY:** Excellent.

**TENSILE:** ASTM D-412  
Strength: 350 ± 10 psi min (2.41 ± .07 MPa)  
Elongation: 170% ± 10 min.  
Permanent Set At Break: < 6%

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HARDNESS:	ASTM D-2240 Shore A	75 ± 5
TEAR RESISTANCE:	ASTM D-642 DIE C Lb./In.	75 ± 5 pli (13.4 ± .9 kg(f)/cm)
WATER VAPOR PERMEABILITY:	ASTM E-96 Procedure B 100% R.H. Difference R.T.	0.06 Perm Inches
REFLECTANCE:	ASTM C-1549 A-3100 White	0.85
EMITTANCE:	ASTM C-1371 A-3100 White	0.89
TOXICITY:	Not for use in contact with edible substances or potable water.	
ADHESION:	Good adhesion to polyurethane foam, masonry, concrete and wood.	

#### PACKAGED PRODUCT DATA

COVERAGE:	Sq. Ft./Gal./Mil	951 (23.36 m <sup>2</sup> / L / 0.02 mm)
SOLIDS:	Weight: Method 4041 Fed. Std. 141	65%
	Volume:	51.5%
V.O.C. :	Contains less than 41 Grams/liter.	
FLASH POINT:	ASTM D-1310	Above 200°F (93°C). T.O.C.
STORAGE STABILITY:	Twelve months. Protect from freezing. Freezing temperature 29°F (-2°C). Some separation can occur after storage of several months. Stir thoroughly before using to make homogeneous.	
THINNING:	Thinning is not recommended under normal conditions. When desired, GacoFlex A-31 Series coatings may be thinned up to 5% with water with subsequent reduction in film build and vertical hold properties.	

#### APPLICATION

Apply by spray, roller or brush. A wide range of spray equipment can be used including airless spray or conventional spray. Refer to Gaco Western. General Instructions SG-ACRYLIC for spraying instructions.

When applying GacoFlex A-31 by spray in hot weather, coating may thicken in idle spray hoses due to the resulting high temperatures. It is recommended that hoses be flushed with water at the end of each day to avoid potential problems such as coating build-up in hoses, poor spray pattern, or plugging.

Clean up with water supplemented with liquid detergent. Spray equipment should be given a final cleaning with GacoFlex T-5130 thinner or lacquer thinner to remove moisture, and prevent possible corrosion.

GacoFlex A-31 products are water-borne and require the complete evaporation of the water to achieve cure. DO NOT apply to surfaces that are, or will be lower than, 50°F (10°C) within 12 hours.